

**Amendments to the claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of claims:**

- 1-3. Cancelled.
4. (New) A medicinal composition comprising at least one of 12-HETE or 11,12-EET in a form of a cream, a gel, a gelatin capsule or a patch.
5. (New) A method of inhibiting differentiation of a fibroblast to an adipocyte comprising administering to a human or an animal an effective amount of a composition comprising at least one of 12-HETE or 11,12-EET.
6. (New) The method of claim 5, wherein the composition is administered in a form of a cream, a gel, a gelatin capsule or a patch.
7. (New) The method of claim 5, wherein the at least one 12-HETE further comprises 12(R)-HETE.
8. (New) The method of claim 5, wherein the at least one 12-HETE further comprises 12(S)-HETE.
9. (New) A composition comprising a medical product which restores, corrects or modulates an organic function in a human or an animal, comprising an effective amount of 12-HETE, 11, 12-EET or a combination thereof.
10. (New) A method of inhibiting differentiation of a fibroblast to an adipocyte comprising administering to a human or an animal an effective amount of a composition comprising an arachidonic oxidation cascade metabolite, wherein the metabolite is 12-(S)HETE , 12-(R)HETE, 11,12-EET, or a mixture thereof.

11. (New) The method of claim 10, wherein the composition is administered in a form of a cream, a gel, a gelatin capsule or a patch.

12. (New) The method of claim 10, wherein the at least one 12-HETE further comprises 12(R)-HETE.

13. (New) The method of claim 10, wherein the at least one 12-HETE further comprises 12(S)-HETE.

14. (New) A method of treating obesity in an animal or a human comprising administering to the human or the animal an effective amount of a composition comprising an arachidonic acid oxidation cascade metabolite, wherein the metabolite is 12-(S)HETE, 12-(R)HETE, 11,12-EET, or a mixture thereof.

15. (New) The method of claim 14, wherein the composition is administered in a form of a cream, a gel, a gelatin capsule or a patch.

16. (New) The method of claim 14, wherein the at least one 12-HETE further comprises 12(R)-HETE.

17. (New) The method of claim 14, wherein the at least one 12-HETE further comprises 12(S)-HETE.

18. (New) A method of inhibiting an average amount of triacylglycerides per fibroblast or pre-adipocyte cell in an animal or a human comprising administering to the animal or the human an effective amount of a composition comprising 12-HETE, 11,12-EET, or a mixture thereof.